

Chromatographic separation of xylose crystallization run-off  
A  $H^+/Mg^{2+}$ -form weakly acid cation exchange resin

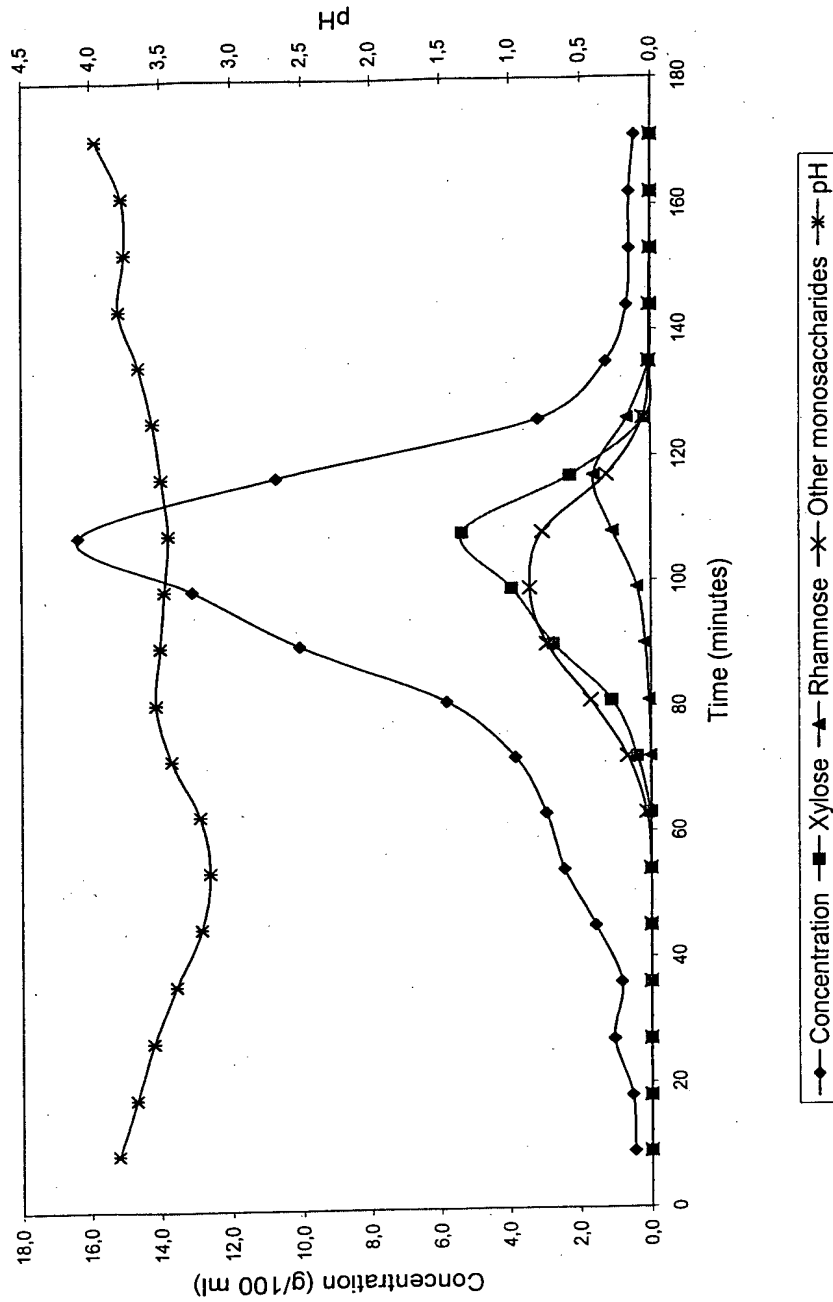


FIG. 1

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Chromatographic separation of xylose crystallization run-off  
A Na<sup>+</sup>-form strong acid cation exchange resin

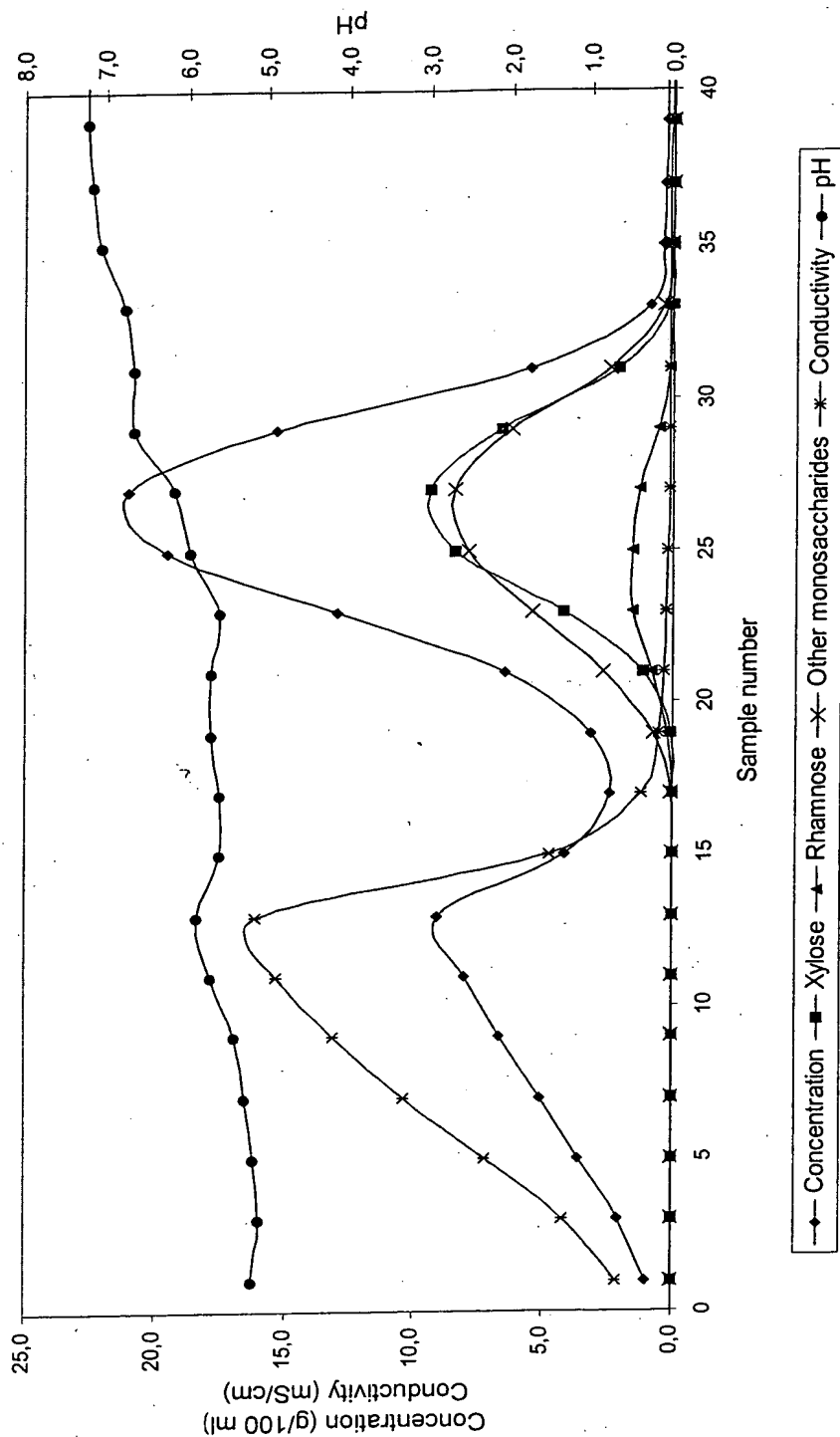


FIG. 2

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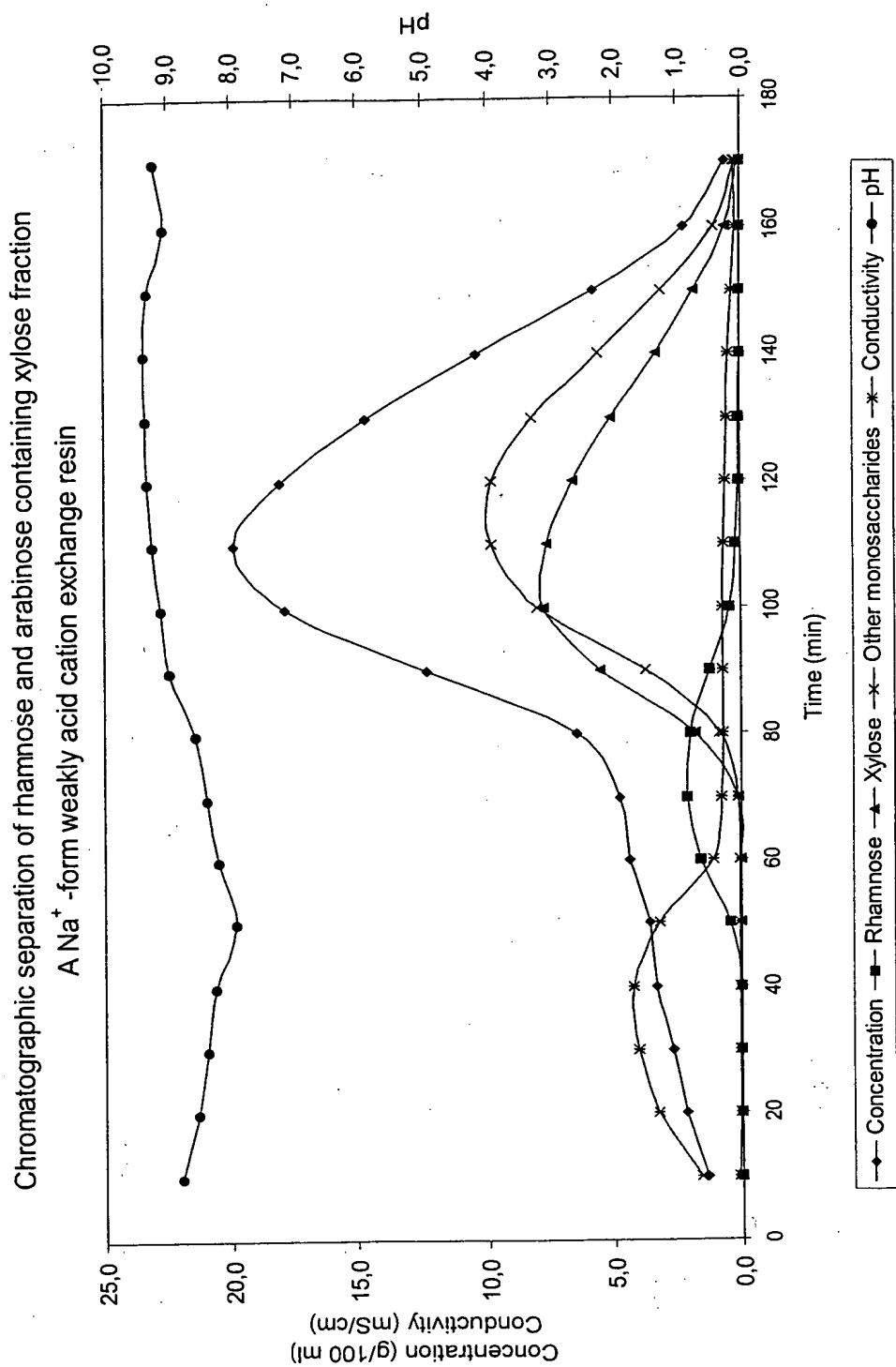


FIG. 3

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Chromatographic separation of rhamnose rich fraction  
A Na<sup>+</sup>-form weakly acid cation exchange resin

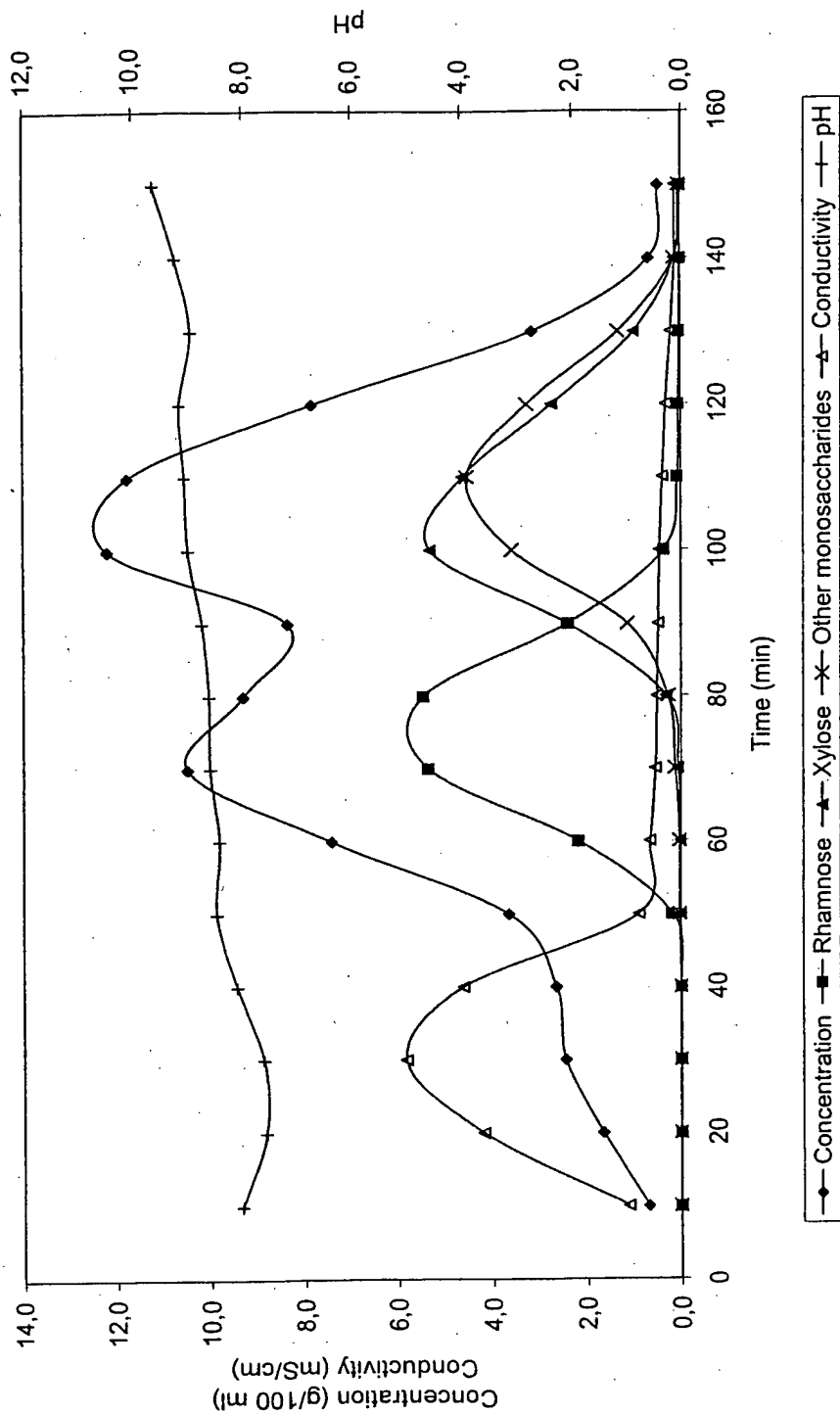


FIG. 4

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Chromatographic separation with a weakly base anion exchange resin  
A weakly basic anion exchange resin

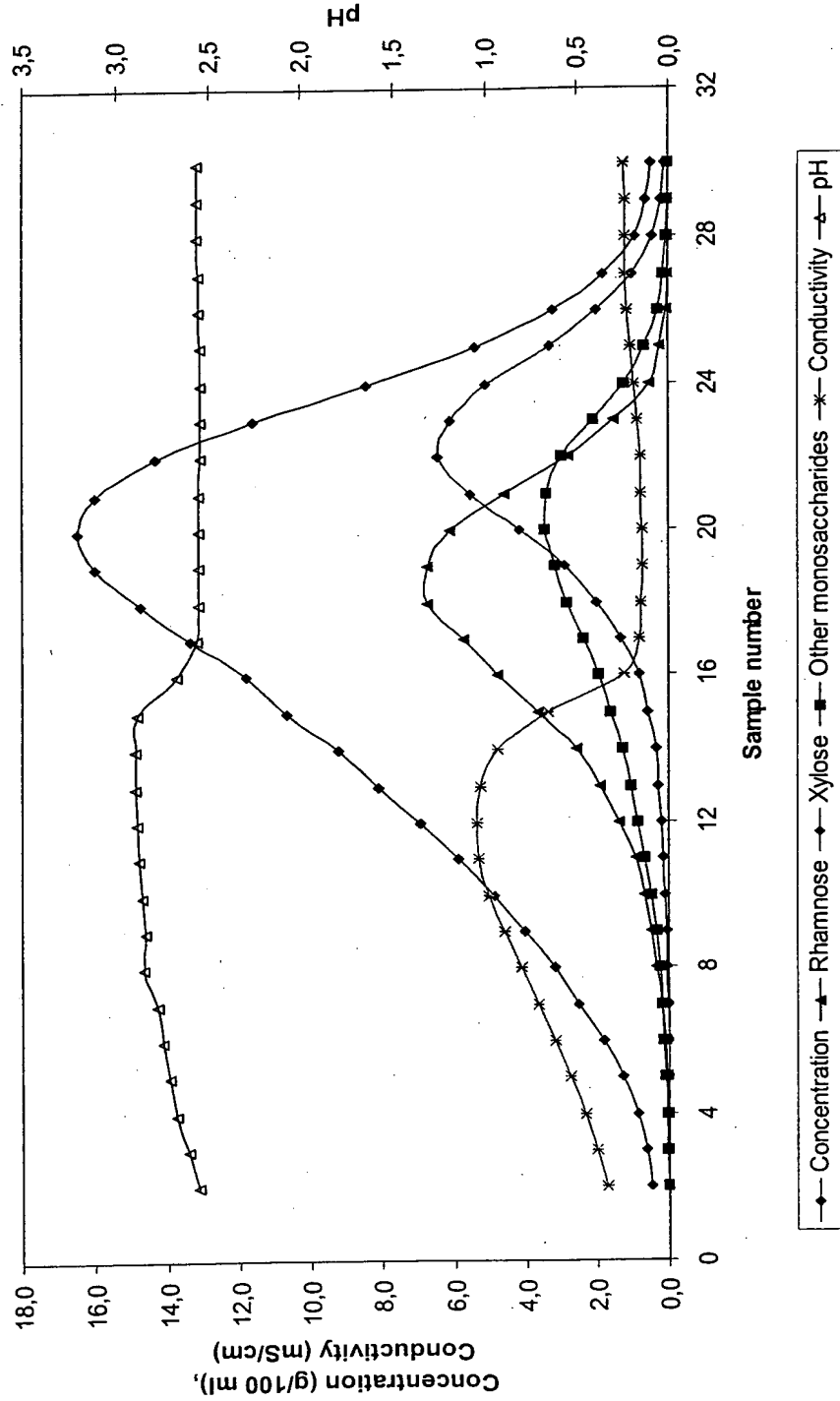


FIG. 5

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Chromatographic separation of rhamnose rich fraction  
A  $\text{Ca}^{2+}$ -form strong acid cation exchange resin

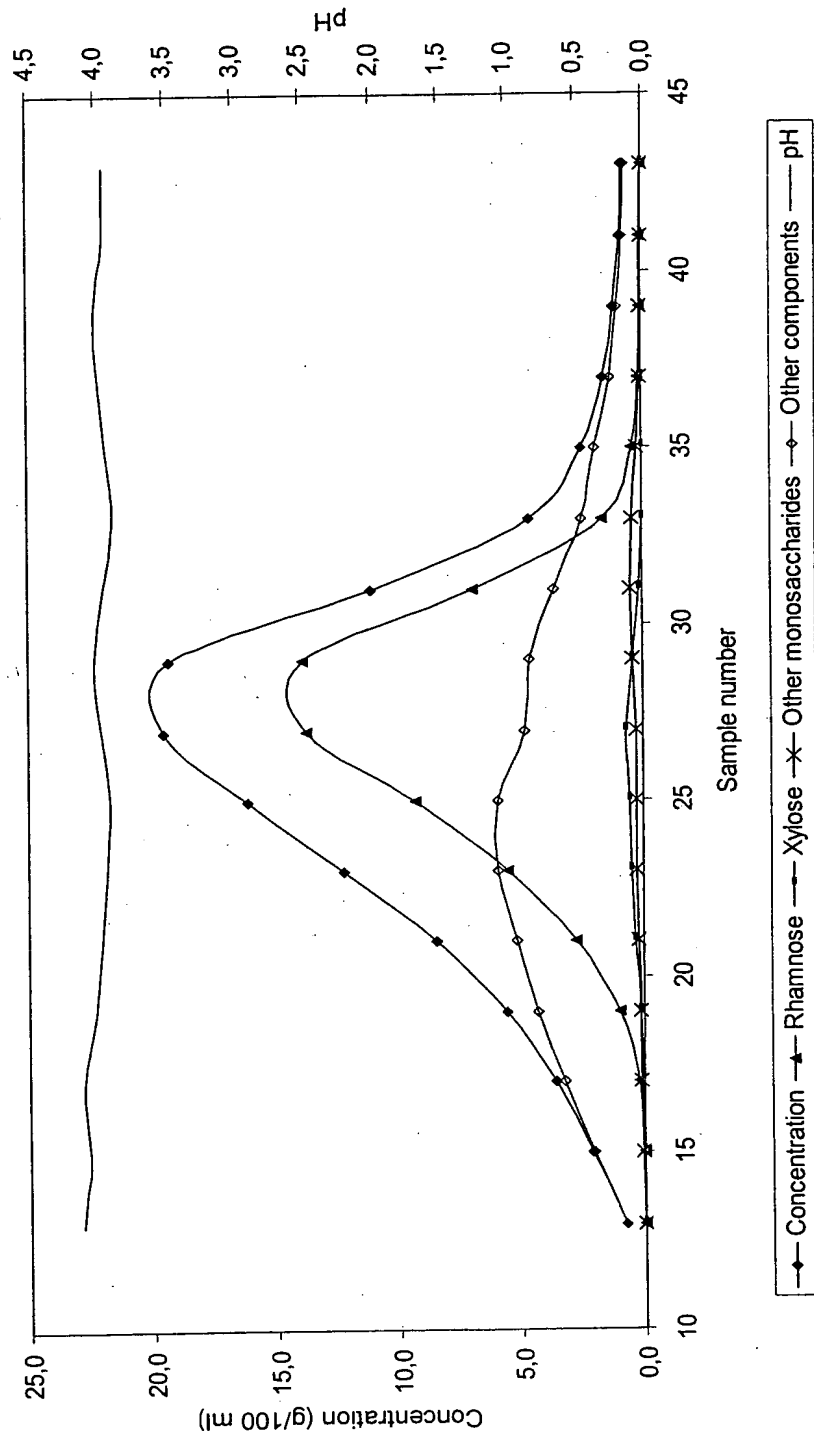


FIG. 6

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Chromatographic separation of vinasse  
A weakly basic anion exchange resin

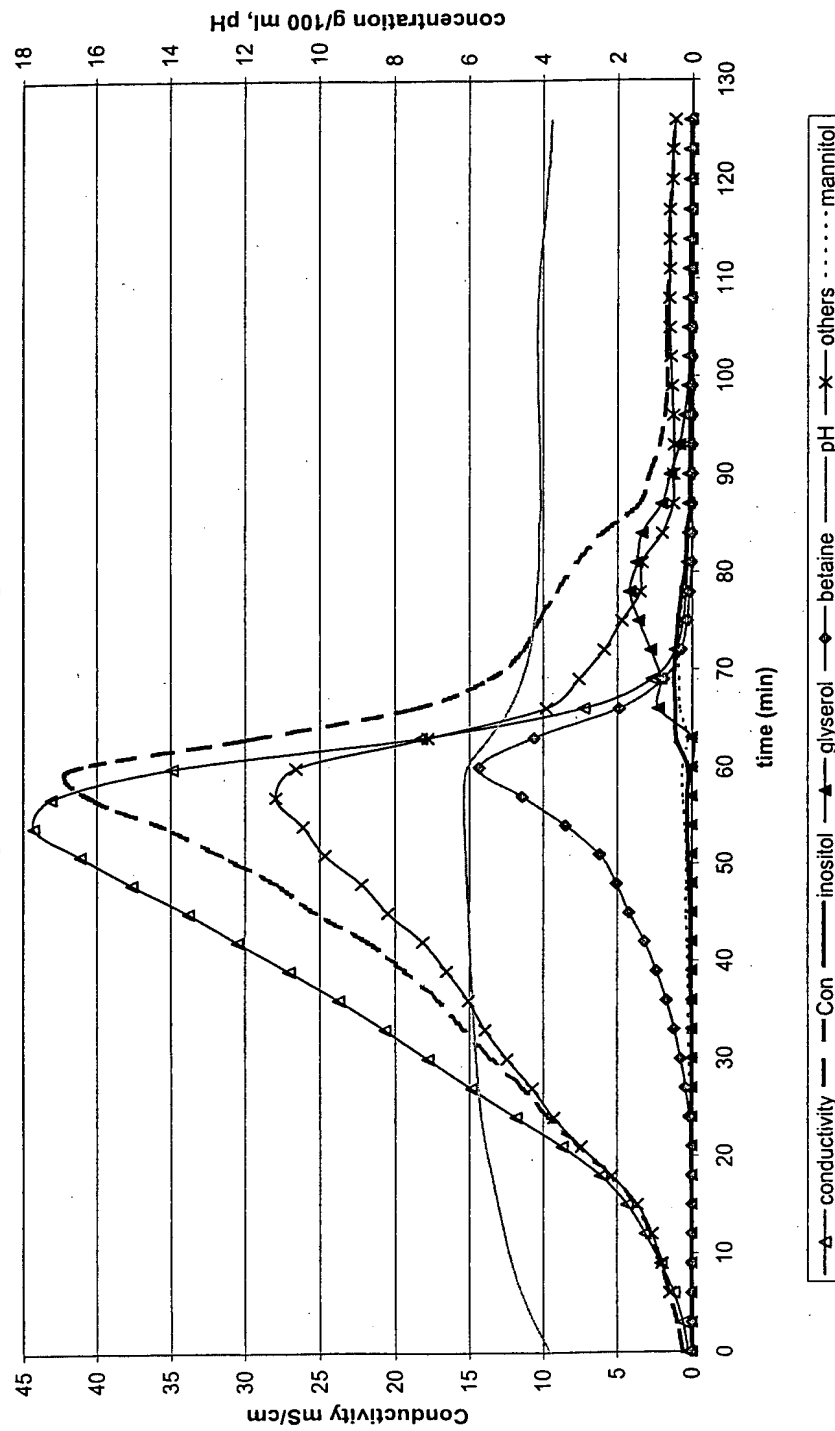


FIG. 7

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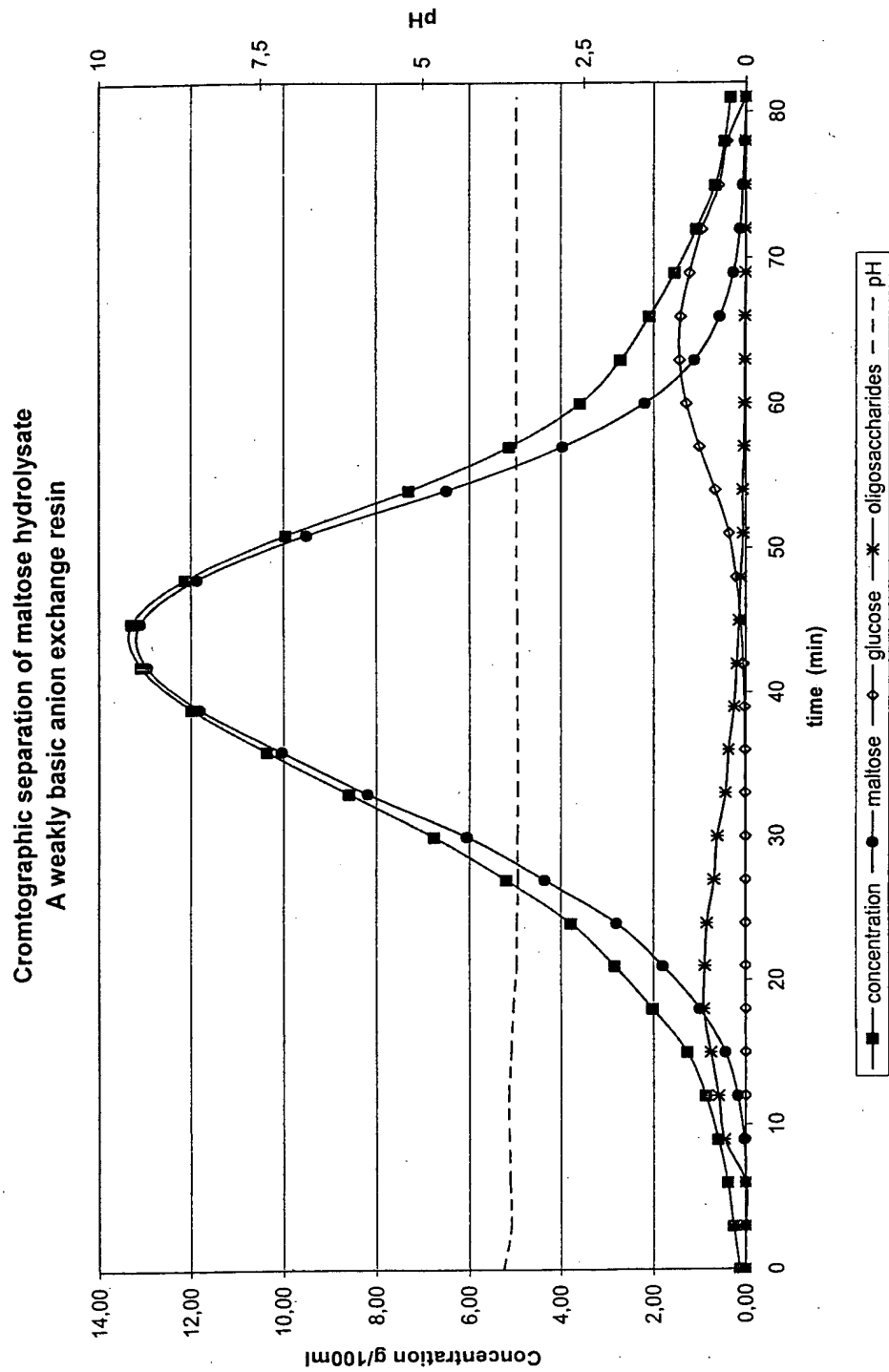


FIG. 8



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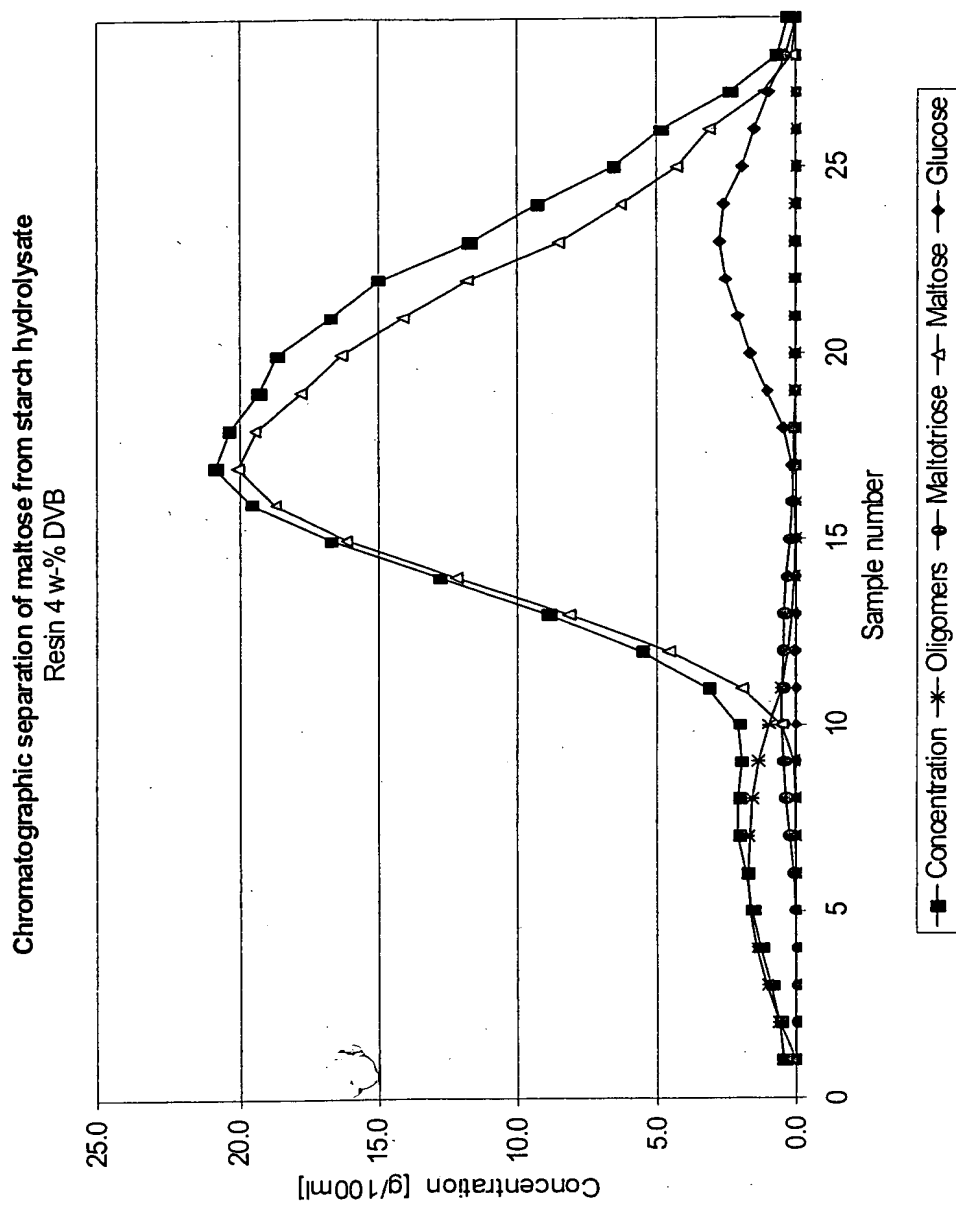


FIG. 9

Chromatographic separation of betaine and inositol containing solution  
A weakly basic anion exchange resin

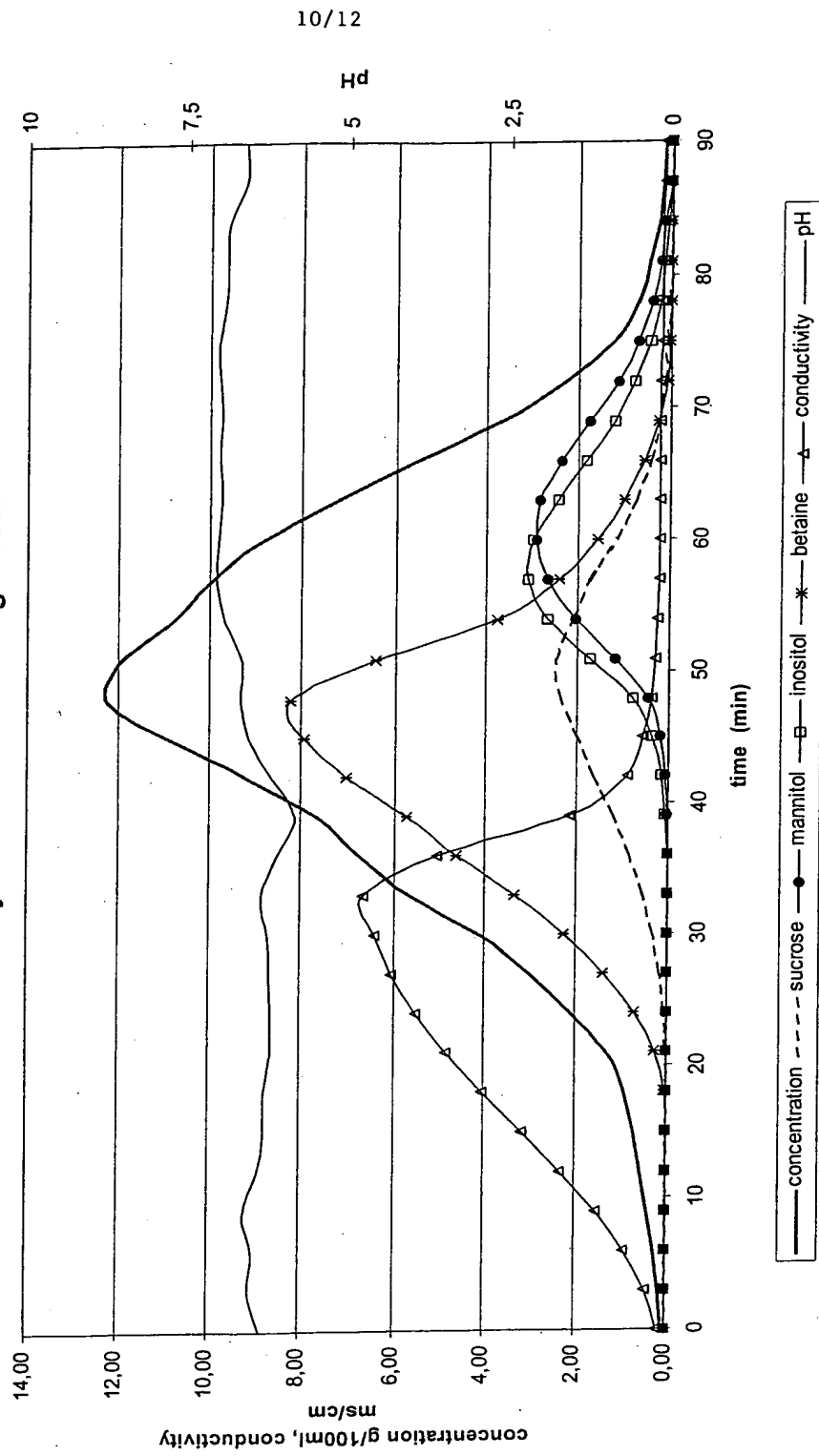


FIG. 10

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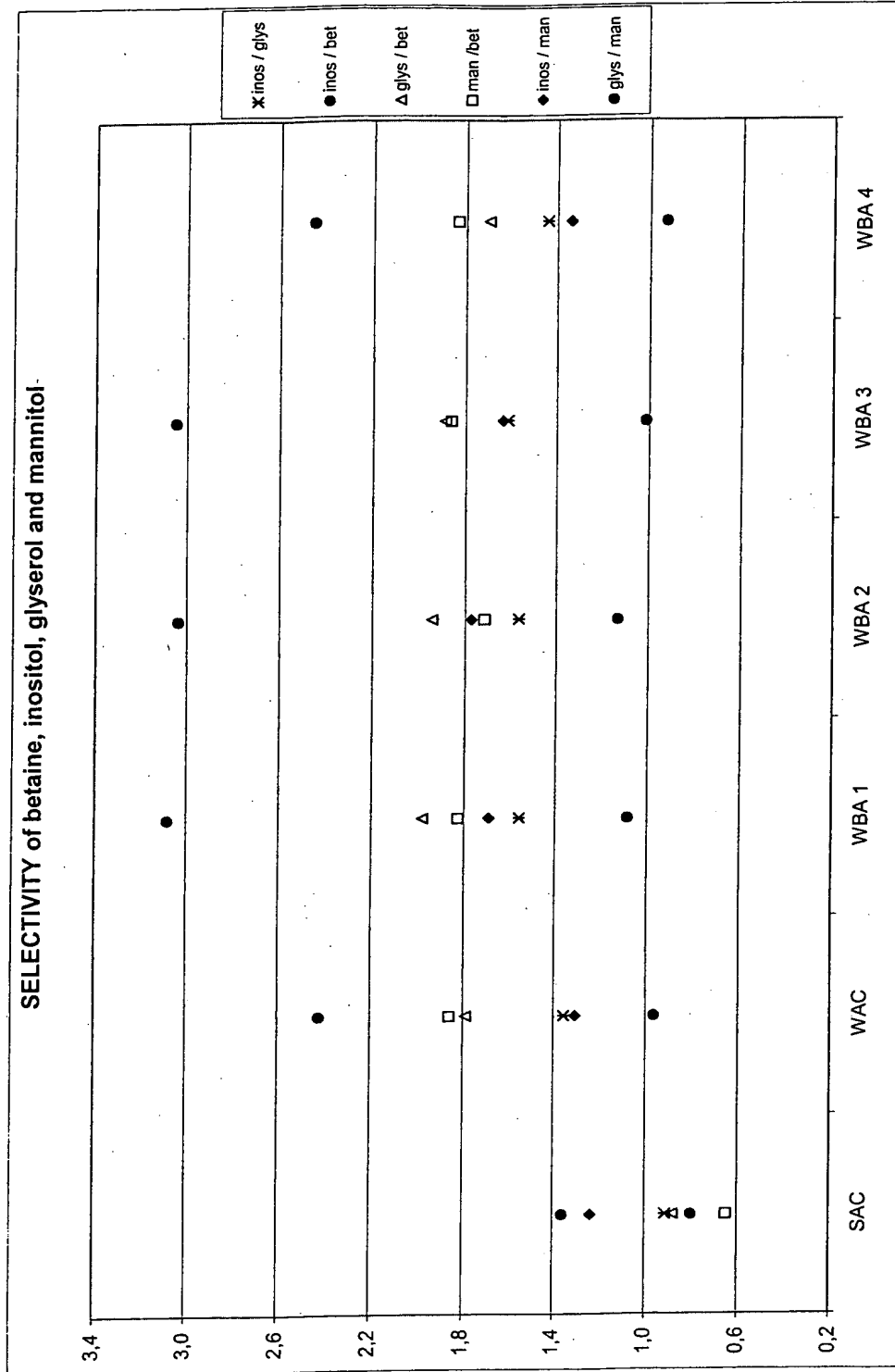


FIG. 11

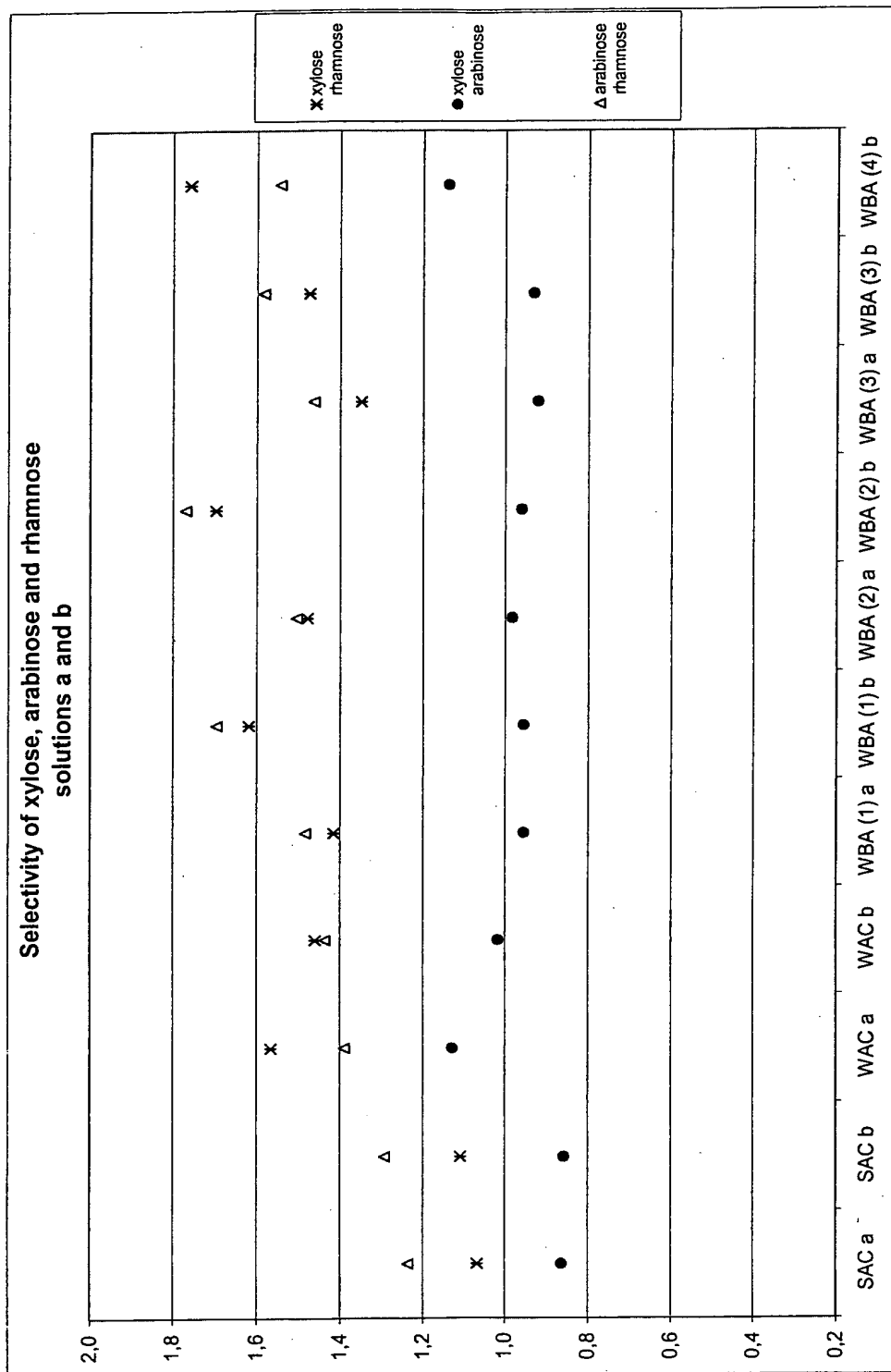


FIG. 12